



NEIL ARMSTRONG
WOODS HOLE MA
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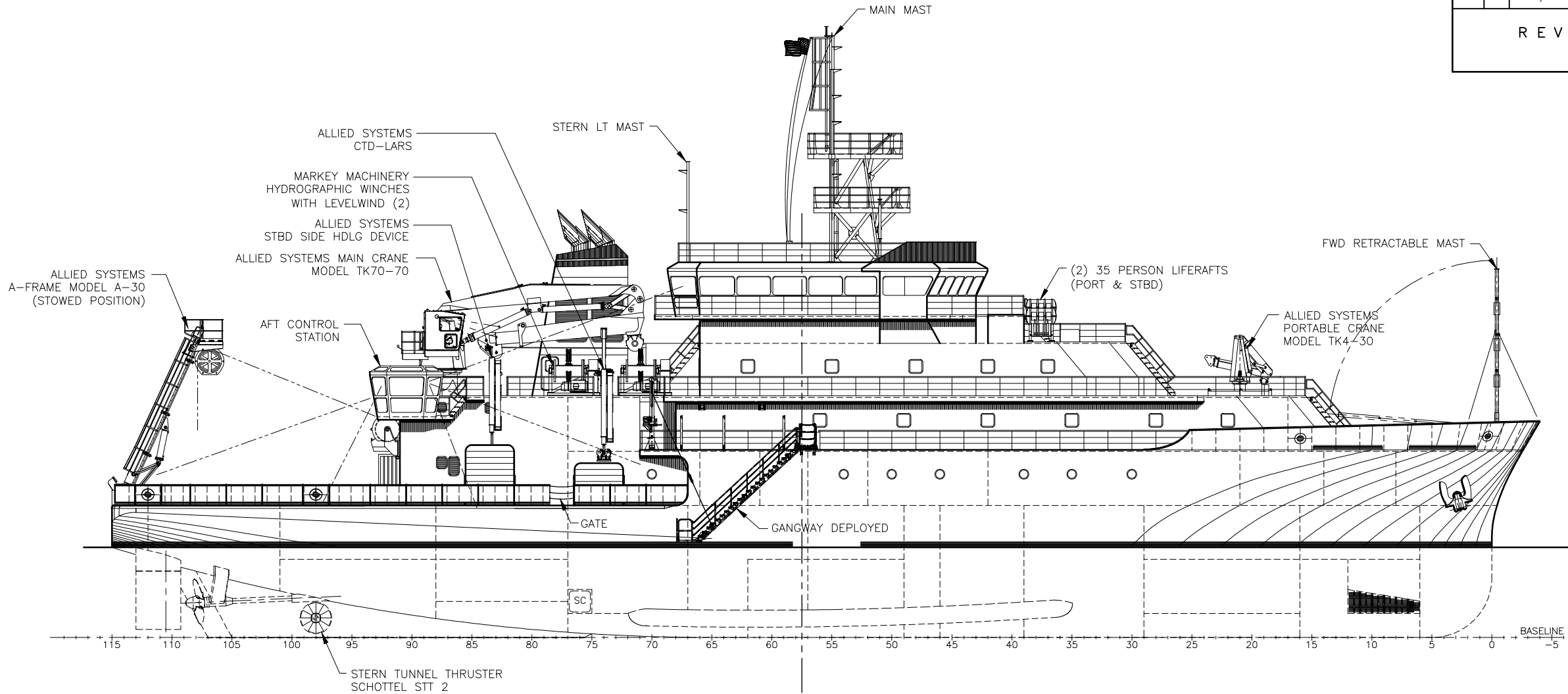
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FILE NAME: DCI 027-04 R80101 REV-D.DWG

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REVISIONS

ZONE	REV.	DESCRIPTION	DATE	APPROVED
ALL	A	1. REVISED COMPARTMENT NAMES TO PROVIDE UNIQUE IDENTIFIERS. 2. RELOC PHSE CONSOLES TO SUIT PANAMA CANAL. 3. RELOC COFFEE MESS TO SUIT STATUS BOARD. 4. REV TRASH/INCINERATOR RM. 5. DEL OFFICE, MNDK STBD. RELOC MESS HEAD TO PASSAGE STBD. 6. REV MESS SEATING. 7. IN SCULLERY, DEL SILVERWARE SINK AND POT SINKS. 8. FOCSE DK FWD, REV LKR DOOR LOCATION 9. 1ST PLATF, REV MCHRY FLAT STBD. 10. HOLD & 1st PLATF, REV FO WING TK 1, DIAG BHD P/S AT BHD 29 FROM 9'-11" TO 9'-6" OCL.		

REVISIONS "B" CONT'D ON SHEET 7



BULKHEAD LEGEND

=====	WATERTIGHT/A60 BHD
=====	NT STEEL BHD
=====	JOINER BHD

CALL CIRCUIT LEGEND

ENGINEER CALL CIRCUITS	
A. CHIEF ENGINEER:	ENG DAY RM
B. FIRST ASSISTANT ENG:	SR FD-15
C. SECOND ASSISTANT ENG:	SR FD-3
D. THIRD ASSISTANT ENG:	SR FD-5
BNWAS CALL CIRCUITS	
A. CAPTAIN:	CAPT DAY RM
B. CHIEF MATE:	SR FD-2
C. SECOND MATE:	SR 01-1
D. THIRD MATE:	SR 01-3

VESSEL CHARACTERISTICS

(APPROXIMATE)

LENGTH OVERALL	=	238'-0"
WATERLINE LENGTH	=	230'-0"
RULE LENGTH	=	220'-9.6"
MAXIMUM BREADTH (MOLDED)	=	50'-0"
DEPTH TO MNDK	=	22'-0"
DESIGN DRAFT	=	15'-0"
SCANTLING DRAFT	=	17'-0"
DESIGN SPEED	=	12 KNOTS

PROPULSION:
PROPULSION MOTORS:
MAIN GENERATORS:
EMERGENCY GENERATOR:
BOW THRUSTER:
STERN THRUSTER:

DIESEL ELECTRIC
(2) SIEMENS AC MOTORS RATED FOR 876 kW EA @ 200 RPM
(4) CUMMINS QSK38-DM, PRIME RATED FOR 1,044 BkW EA @ 1800 RPM
(1) MTU SERIES 60, 210 kW @ 1800 RPM
(1) WHITE GILL 40T3S MK.V-QR, RATED FOR 686 kW @ 677 RPM
(1) SCHOTTEL STT 2 FP RATED FOR 620 kW @ 1470 RPM

CLASS NOTATION:

ABS XA1, (E), XAMS, XACCU, NIBS, ICE CLASS DO, UWILD,
OCEANOGRAPHIC RESEARCH VESSEL, UNRESTRICTED SERVICE

VESSEL CAPACITIES

(APPROXIMATE)

FUEL OIL @ 98%	=	147,066 GALS (INCL DAY TKS)
FUEL OIL DAY TANKS @ 98%	=	8,008 GALS
FUEL OIL OVERFLOW TK @ 98%	=	2,289 GALS
POTABLE WATER @ 100%	=	14,629 GALS
BALLAST @ 100%	=	116,639 GALS
ANTI-ROLL TANK @100%	=	7,917 GALS
SEWAGE HOLDING @ 98%	=	4,138 GALS
GRAY WATER TK @ 98%	=	11,955 GALS
WASTE OIL TANK @ 98%	=	5,163 GALS
OILY BILGE TANK @ 98%	=	5,494 GALS

ACCOMMODATIONS: (20) SINGLE STATEROOMS = 20 PERSONNEL
(11) DOUBLE STATEROOMS = 22 PERSONNEL
(1) SINGLE HOSPITAL = 1 PERSONNEL
(1) DOUBLE ACCESSIBLE W/PULLMAN = 3 PERSONNEL

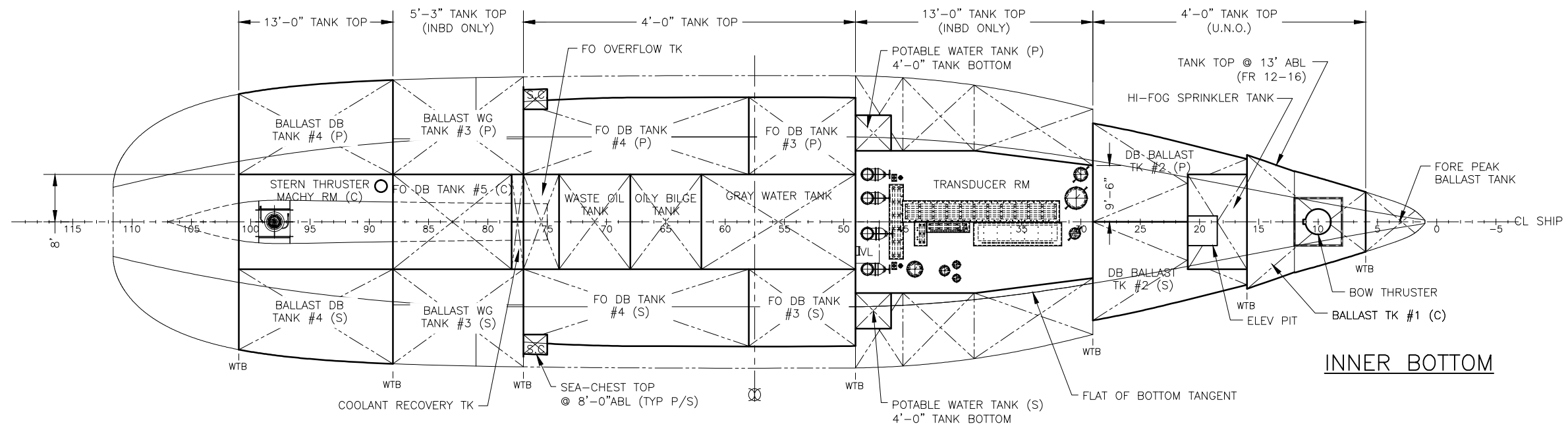
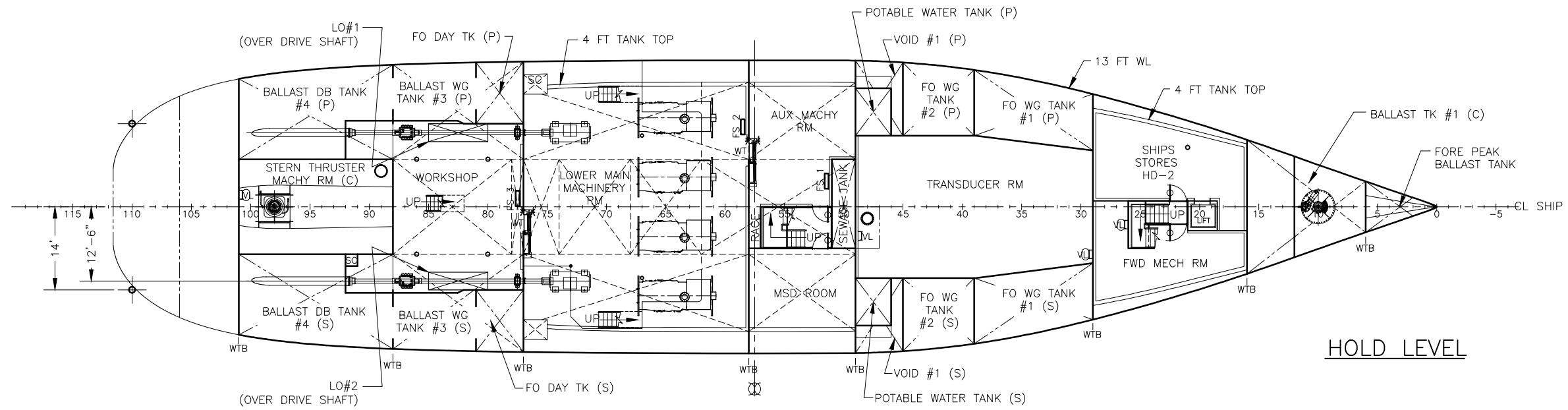
44 PERSONS WITH SURGE CAPACITY TO 46 USING THE HOSPITAL AND THE FOLD DOWN BUNK IN THE ACCESSIBLE STATEROOM.

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REFERENCES

APPROVALS			
USCG			
ABS			
OWNER			
HULL NO. 58		DESIGNER GUIDO PERLA & ASSOCIATES, Inc. 701 FIFTH AVENUE, SUITE 1200 SEATTLE, WA. 98104 U.S.A. Tel: (206) 768-1515 Fax: (206) 768-9700 Email: gpa@gpai.com	
CAGE CODE OW7U3		SHIPBUILDER DAKOTA CREEK INDUSTRIES, Inc. 820 FOURTH STREET, P.O. BOX 218 ANACORTES, WA 98221 Tel: (360) 293-9575 Fax: (360) 293-6453	
NAVSEA DWG. No. 8565942		PROJECT OCEAN CLASS AGOR	
ESWBS 801-01		TITLE <u>GENERAL ARRANGEMENT</u> PROFILE	
DWN	GTH	DATE	04/20/10
CKD	CC	DATE	04/20/10
APVD	—	DATE	—
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SCALE 3/32" = 1'-0"			SHEET: 1 OF 7

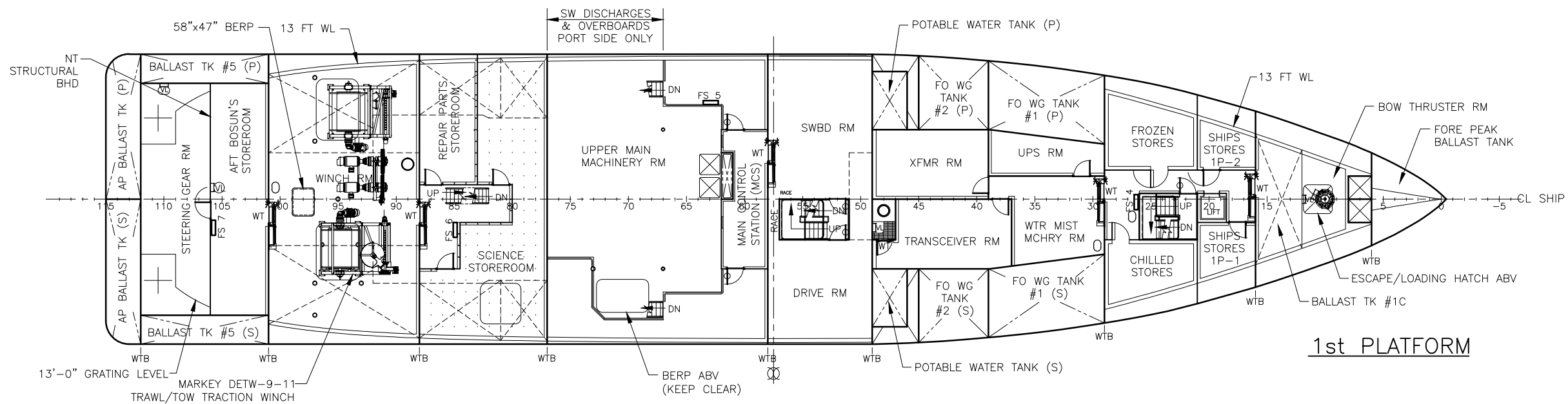
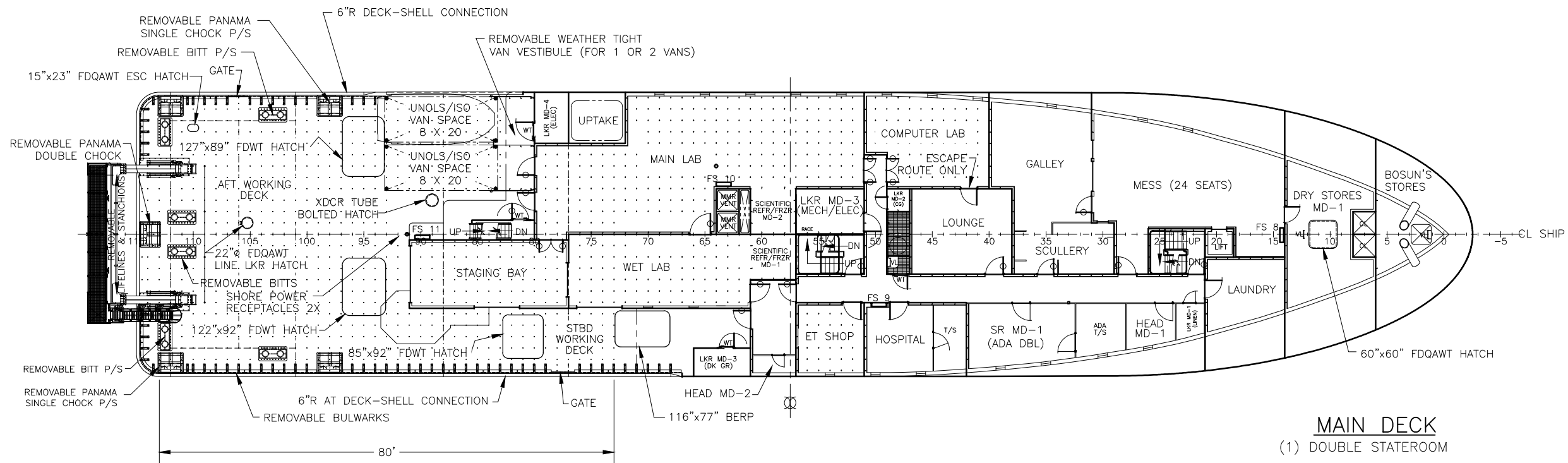
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NAVSSEA DWG No. 8565942		SCALE 3/32" = 1'-0"	SHEET 3 OF 7

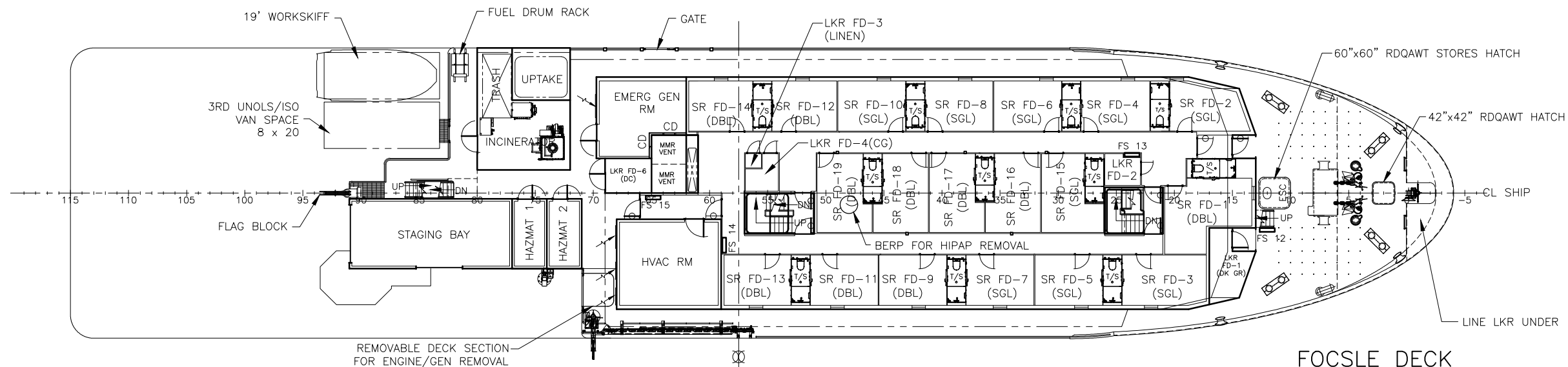
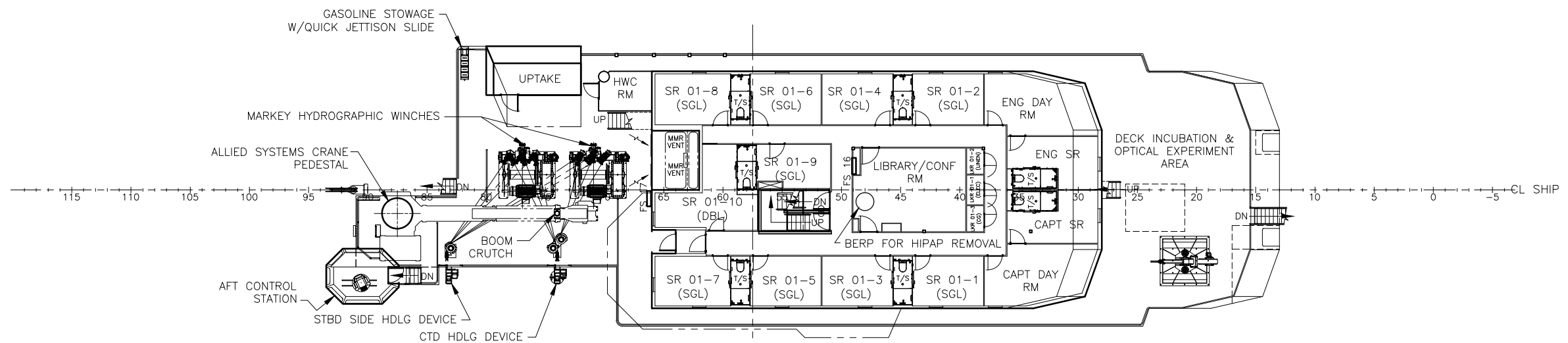
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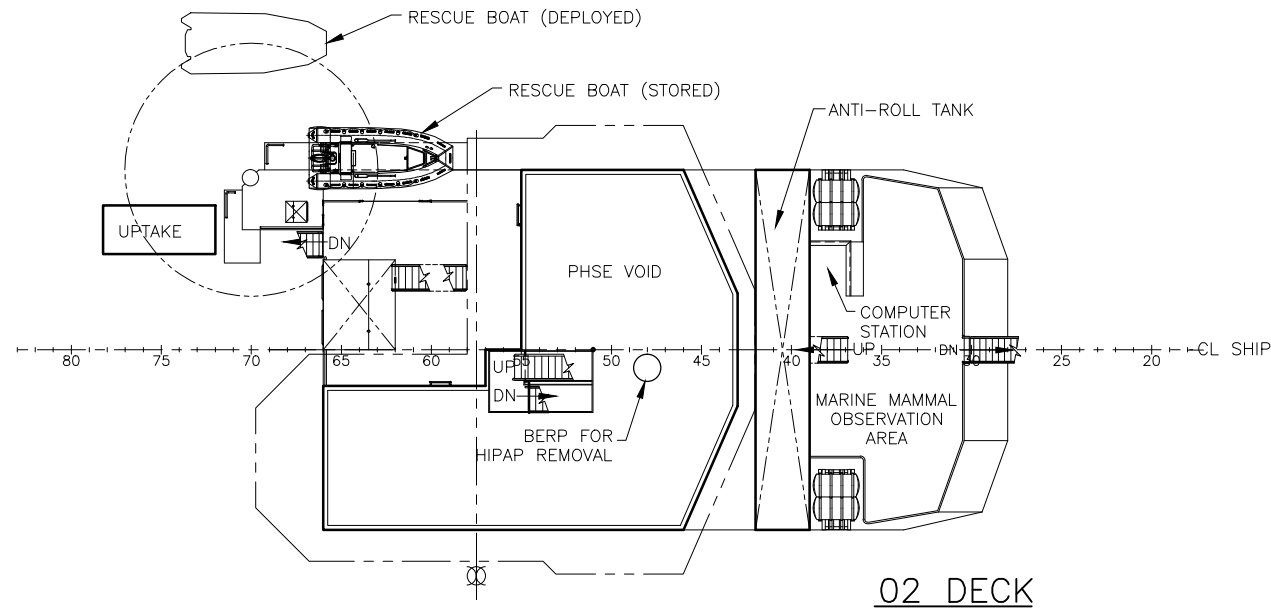
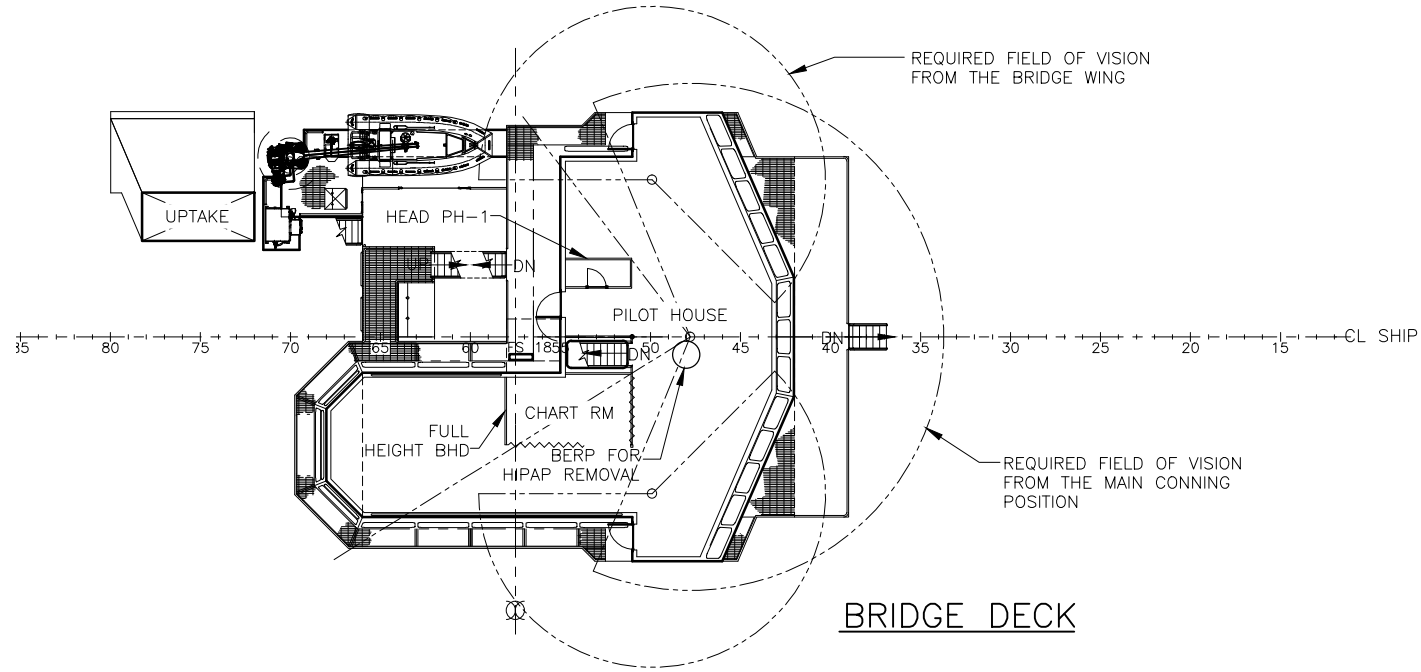
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NAVSEA DWG No. 8565942		SCALE 3/32" = 1'-0"	SHEET 5 OF 7

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NAVSEA DWG No. 8565942		SCALE 3/32" = 1' - 0"	SHEET 6 OF 7

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D	ALL	B	1. HOLD, MSD RM, DEL BUILT-IN MSD LKR. 2. HOLD, RELOC ME FROM 10'-6" TO 10'-10" AFT BHD 58 TO SUIT MANIFOLDS. 3. 1ST PLATF, DEL CL LONG BHD & BHD 32 (S). RENAME FROM PASS TO WTR MIST MCHRY RM. 4. 1ST PLATF, ER, REV LO #1 & 2. ADDED COOLANT TK. 5. UPDATED VESSEL CHARACTERISTICS AND CAPACITIES THIS TO SUIT DESIGN DEVELOPMENT. 6. TANK TOP, MACH RM, AUX MCHRY RM AND MSD RM DROPPED GRATING LEVEL FROM 5'-6" TO 4'-9" TO SUIT DESIGN DEVELOPMENT. 7. REVISED STRUCTURAL INLET HVAC DUCTING THIS TO SUIT DESIGN DEVELOPMENT. 8. 02 DK, MOVED ANTI-ROLL TK, LIFE RAFTS, COMPUTER STATION, INCLINED LADDER IWO, BIG-EYE BINOCULARS FWD 24" TO SUIT DESIGN DEVELOPMENT. 9. HOLD, DELETED LKR HD-1 (ST). 10. HOLD, REMOVED CL LONG BHD, FRAMES 57-58 TO SUIT ELECTRICAL. 11. HOLD, RENAMED STORES HD-2 TO SHIPS STORES HD-2 TO SUIT HVAC REQUIREMENTS. 12. HOLD, MOVED 14' LONG BHD (P/S) OBD 6" FROM FRAMES 81-92 TO SUIT DRIVE SHAFT. 13. RELOCATED LO TKS #1 AND #2 FROM UPPER MAIN MACH RM TO HOLD LEVEL TO SUIT DESIGN DEVELOPMENT. 14. RELOCATED COOLANT RECOVERY TK FROM UPPER MAIN MACH RM TO INNER BOTTOM TO SUIT DESIGN DEVELOPMENT. 15. INNER BOTTOM, ADDED HI-FOG SPRINKLER TK 8'-0" OCL (P/S), FRAMES 16-21 TO SUIT DESIGN DEVELOPMENT. 16. 1ST PLATF, REMOVED CL LONG BHD FRAMES 49-51 AND 57-58 TO SUIT PIPING. 17. 1ST PLATF, REMOVED CL LONG BHD FRAMES 32-35 AND BHD FRAME 32 (S) TO SUIT DESIGN DEVELOPMENT. 18. 1st PLATF, CHANGED STORES 1P-3 TO WTR MIST MCHRY RM TO SUIT DESIGN DEVELOPMENT. 19. 1ST PLATF, RENAMED STORES 1P-1 TO SHIPS STORES 1P-1 AND STORES 1P-2 TO SHIPS STORES 1P-2 TO SUIT DESIGN DEVELOPMENT. 20. 1st PLATF, RELOCATED LONG BHD (P) FR 80-88 FROM 24" TO 36" OCL THIS TO CORRECT. 21. 1ST PLATF, MOVED WINDOW OBD IWO MCS TO SUIT HVAC DUCTING. 22. 1ST PLATF, REVISED CATWALK TO SUIT BOOSTER PUMP. 23. MD, REVISED FS 9 FROM SURFACE TO FLUSH MOUNT INTO LONG BHD 12'-0" (S) FRAMES 49-51 TO SUIT DESIGN DEVELOPMENT. 24. MD, MOVED DR IWO LKR MD-3 OBD 24" TO SUIT WATER HEATER LOCATION. 25. REVISED DECK SOCKETS TO SUIT DESIGN DEVELOPMENT. 26. MD (AFT), REVISED HATCHES 108"x84" (2) IWO WINCH RM, 8"x84" IWO SCIENCE RM FROM FDQAWT TO FDWT TO SUIT DESIGN DEVELOPMENT. 27. MD, REVISED A-FRAME THIS TO SUIT NEW ALLIED SYSTEMS MODEL. 28. FOCSLE DK, REVISED LOCATION OF FS 13 FROM FR 17 (P) TO FR 24 (P), RECESSED INTO LKR FD-2 TO SUIT DESIGN DEVELOPMENT. 29. FOCSLE DK, MOVED DR (01-17-2) AFT FROM FR 17 TO FR 18 TO SUIT DESIGN DEVELOPMENT. 30. FOCSLE DK, REVISED CONFIGURATION OF LKR FD-4 AND LKR FD-3 TO SUIT DESIGN DEVELOPMENT. 31. REVISED WORKBOAT TO SUIT NEW WORKSKIFF. 32. 01 DK, MOVED DR (02-62-1) FWD 19" TO SUIT REVISED AIRLOCK. 33. 01 DK, REVISED ARRANGEMENT OF SR 01-10 TO SUIT AIRLOCK. 34. 01 DK, REVISED JOINER PANEL ALONG LONG BHD 11'-2" (S) FRAMES 61-66 THIS TO CORRECT. 35. 01 DK, RELOCATED FS 16 AND ADJACENT DRINKING FOUNTAIN FROM SURFACE MOUNTED TO A RECESSED POSITION IWO JOINER BHD FR 49 (P) TO SUIT DESIGN DEVELOPMENT. 36. MOVED INCLINED LADDERS (2), (P) 02 DK TO BD, (P) BD TO PH 24" INBD TO SUIT REV B3. 37. PH, INDICATED AFT BHD IWO CHART RM AS FULL HEIGHT BHD THIS FOR CLARITY. 38. FOCSLE DK, RELOCATED FS 14 FROM BHD 7' OCL (S) FR 54 TO BHD FR 59 (S) TO SUIT PASSAGE CLEARANCE. 39. REVISED PILOTHOUSE TO SUIT CHG ORDER ECP005. 40. REVISED T/S MODS THIS TO SUIT DESIGN DEVELOPMENT. 41. RELOC SHORE PWR RECPT FROM FOCSLE DK PORT TO MNDK AFT CL TO SUIT DESIGN DEVELOPMENT. 42. SH 1, REV CALLOUT FROM TREATED SEWAGE HLDG TK TO GRAY WATER TK. THIS TO CORRECT. 43. SH 1, REV ACCOM CAPACITIES FROM 44 TO 46 TO SUIT "SURGE CAPACITY". 44. INNER BOTTOM, REVISED FO DB TK #3 (P/S) FROM FR 49-62 TO FR 49-58 TO SUIT DESIGN DEVELOPMENT. 45. 02 DK, REVISED INDICATION OF HOUSE FRONT BHD. THIS TO CORRECT. 46. 01 DK, ADD HWC RM TO SUIT DESIGN DEVELOPMENT. 47. 02 DK, REVISED A-FRAME DAVIT (FR 65.5 P) TO PEDESTAL DAVIT (FR 70 P) TO SUIT DESIGN DEVELOPMENT. 48. BRIDGE DK/PH TOP, MOVED INCLINED LADDERS 2'-0" OBD TO SUIT MAST STRUCTURE. 49. 1ST PLATFORM/HOLD, REVISED STANCHIONS TO SUIT STRUCTURAL ARRANGEMENT. 50. MD, SCIENTIFIC FRZR MD-1, DELETED XVSE BHD FR 61 FROM CL TO 8'-0" STBD. FRZR MD-2, DELETED LONG BHD FR 57 TO 61, 8'-0" OCL PORT. THIS TO SUIT MODULAR REEFER/FREEZER UNITS. 51. REVISED SIZE OF EQUIPMENT REMOVABLE HATCHES ON MD AND STERN THRUSTER BERP ON 1ST PLATFORM TO SUIT DESIGN DEVELOPMENT.										MSH 2/10/12		CC			ALL	C	1. FOCSLE DK, DELETED DOOR ON BHD FR 72. DELETED BHD FR 75 IWO INCINERATOR RM TO SUIT DESIGN DEVELOPMENT. 2. 01 DK, DELETED INDICATION OF GRATING IWO PASSAGE WAY ENTRY DOOR FR 64(S). FOCSLE DK, FR 15(P) AND FR 66(S) TO SUIT SY REQUEST.										RF 10/25/12		AML					
			C	ALL	D	1. REV B, ITEM 50. REVISED DESCRIPTION FOR CLARITY. THIS INCORPORATES NAVSEA COMMENT c-ii, DTD 11/19/12. 2. REV REVISION WRITE UP FROM B 52 TO C 1 AND FROM B 53 TO C 2 THIS INCORPORATES NAVSEA COMMENTS d-i, DTD 11/19/12. 3. REVISED SHT 1, REV SPELLING FROM PERSONAL TO PERSONNEL. THIS INCORPORATES NAVSEA COMMENT d-ii, DTD 11/19/12. 4. DELETED RACE JOINER BHD IWO (MECH/ELEC) LKR MD-3 TO SUIT DESIGN DEVELOPMENT. 5. DELETED RACE JOINER BHD IWO (CG) LKR FD-4 TO SUIT DESIGN DEVELOPMENT. 6. MODIFIED DIMENSIONS OF RACE IWO (SGL) SR 01-9 TO SUIT DESIGN DEVELOPMENT. 7. RELOCATED RECESSED WATER FOUNTAIN 01 DK, FR 49 (P) TO (S) SIDE, 6'-0" OCL, FR 49 TO SUIT ELECTRICAL WW. 8. DELETED RACE BHD'S ON 02 DK TO SUIT DESIGN DEVELOPMENT. 9. FDK, REV E-GEN BHD FROM FR 69 TO FR 69+18". TO SUIT DAY TK. 10. UPDATED MAIN MAST TO SUIT DESIGN DEVELOPMENT. 11. UPDATED FWD RETRACTABLE MASTTO SUIT DESIGN DEVELOPMENT. 12. UPDATED STRUCTURE SURROUNDING THE RESCUE BOAT TO SUIT DESIGN DEVELOPMENT.										RF 11/20/12				AML			RF 12/17/12		AML			RF 10/04/13		DP							
B																																					
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8		7			6			5			4		3			2			1																		
HALF SIZE PRINT																	DESIGNER GUIDO PERLA & ASSOCIATES, Inc. SHIPBUILDER DAKOTA CREEK INDUSTRIES, Inc. NAVSEA DWG No. 8565942 TITLE GENERAL ARRANGEMENT DRAWINGS DWG No. 65411-801-01 SCALE 3/32" = 1' - 0" SHEET 7 OF 7																				

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NAVSEA DWG No. 8565942		SCALE 3/32" = 1' - 0"	SHEET: 7 OF 7